			A1 \		4			
		Metal Salt						
		Motal Salt Room						
Material Safety Data Sheet	Ø.			•	1,500 mels			
May be used to comply with			U.S. Department of Labor Occuper and Safer and Hastile admin					
OSHA's Hazard Communication Sta	ndard.	(Non-Mand	Occupational Safety and Health Administration (Non-Mandatory Form)					
29 CFR 1910, 1200. Standard must	be		Form Approved					
consulted for specific requirements			OMB No. 1218-0072					
IDENTITY (As used on Label and List)		The second livery is not the second livery in the s	Note. Blank spaces are not permitted, if any item:					
LIQUID ALUMINUM SULFATE		is not app available,	is not applicable, or no information is available, the space must be marked to indicate that.					
Section I	~~~~				THE STATE OF THE S			
Manufacturer's Name		Emargency Tola	-Van Manha					
HOLLAND COMPANY, D	NC.		Emergency Telephone Number 413-743 1292					
Address (Number, Street, City, State and	1 Zip Code)	THE RESERVE TO SERVE THE PARTY OF THE PARTY	Telephone Number for Information					
153 HOWLAND AVENUE		413-743-129	12	=				
ADAMS, MASSACHUSET	TS 01220		Date Prepared DECEMBER 2000					
-		Signature of Prep	parer (optional)		traditio			
Section II - Hazardous Ingredients/	Identity Info	Pation	Mark a marrier of the Control of the		·			
Hazardous Components (Specific Chemi	cal Identity: (Common Names(s)		-	-			
0	SHA PEL	ACGIH TLV						
$AL_2(SO_4)_3 \times H_2O$	NONE	2mg(AL)/m² in an	(Alumirum So	hible Calte's	*******			
CAS 17927-65-0				inoie puist				
			Pro- service					
					MARAN ,			
Common Names:	DOT:	EnvironmentallyHa	zardone Suhetan	~ A	***			
Papermakers Alum		Liquid, N.O.S., 9, 1			wap.			
Filter Alum		(Aluminum Sulfate	Solution) pH in	concentrate >20				
Liquid Alum	to .	The state of the s		CORRECTION CALL. " L. C.	·			
		Paragram and the control of the cont			_			
			123	Territoria de la companya de la comp	8			
Section III - Physical/Chemical Cl	<u>iaracteristic</u>	CS						
Boiling Point	212°F	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN	Specific Gravity (H ₂ O-1)					
Vapor Pressure (mm Hg.)	NA	Melting Point	Melting Point		-			
Vapor Density (AlR -1)		Ermantian D.			<u>.</u>			
· · · · · · · · · · · · · · · · · · ·	N/A		Evaporation Rate (Butyl Acetate - 1)					
Solubility in Water: 100 %	Schuling in Manne 100 de			N/A	<u>-</u>			
	Commence of the				*			
Appearance and Odor Clear green/amil	per to colori	ess, negligible odo	r		•			
Section IV - Five and Explosion Haza	_				•			
Flash Point (Method Used) Non Flammable	F	ammable Limits			-			
Extinguishing Media	N/A	N/A	N/A					
N/A								
Special Pire Fighting Procedures N/A	100 having applicate reviewed have applicated	The second secon		-				
Unusual Fire and Exclosion Hazards								
At elevated temperatures > 1400	or may canga	toxto onen (million	1d	William Mills				
		torde Ruses (Su. 101)	oxides) to form.					

	Reactivity Data		 			
Stability	Unstable	Conditions to Avoid Aluminum Sulfate precipitates a kalies				
			and lowers pH in	aqueous !	solutions.	
	Stable	<u> </u>				
	ty (Materials to Avoi					
	se which are sensitive		red pH			
	ecomposition or Bypi					
	mder section IV (Fire	& Expl				
Hazardous	May Occur		Conditions to Avoi	id		
Pelymerizatio			N/A			
	Will Not		Ì			
and the state of t	Оссиг	X				
	Health Hazard Data	_				
	Route(s) of Entry: Inhalation Skin - Eyes Ingestion					
	Mist may cause irritation May cause irritation May cause irritation					
	rds (Acute and Chron					
LD 59	(! (Mouse) 6207 mg/k	g - Regi	stry of Toxic Effects	s Dept. He	alth & Human Services	
		1985 - 8				
	A Code: 1,0,0 HM	IS Code	: 1,0,0			
Carcinogenici						
	egulated as a carcin					
Signs and Syr	nptoms of Exposure:	Irritatio	on, if ingested manses	i, vomiting,	abdominai pain.	
	litions Generally Agg		by Exposure: Unk.			
	nd First And Procedure				·	
Eyes	- flush with water; SI	an - flus	h with water: Ingest	ion - give k	arge quantities of water	
	lk and induce vorniting			intention if c	liscomfort persists.	
	Precautions for Safe					
	aken in Case Materia					
Flush	small spills with water	er, dike d	& neutralize large sp	ills with all	calles such as	
Lime,	Soda Ash, Caustic S	oda (Be	alert to Carbon Dior	xide Genera	tion from first two alkalies).	
Waste Disposi			15 4 4 1 1100			
KUKA	A status of unused ma	icna, it	discarded - not a "H.	AZARDOI	IS WASTE". Dispose of	
in a ac	cordance with all fed	crai, sta	te and iccal regulation	ous.		
	Be Taken in Handlin					
Other Precauti	oid irritation wear glo	ves and	eye protection when	in direct co	intact with material	
		500	e adalala	41.		
	ommended maximum - Control Measures	use for	cotable water of 150	ing hier		
	The state of the s					
	retection (Specify Ty					
Ventilation	Local Exhaust: None required		৫৩	Special: None required		
Mechanical (General):					ne in air for mist	
		requir		TLV: 2	mg/(Al)/M ³ ACGIH	
Protective Glo		11	Eve Protection			
	or equivalent		Goggles			
	ve Clothing or Equipt					
work/riyg/enic	Practices: Limit dir	oci cont	act to avoid irritation	1,		

8621-644-E14